

**REGIONAL
WATER QUALITY
CONTROL BOARD**

REGION

2

CALTRANS DISTRICT

4

PREPARED FOR **THE STATE WATER RESOURCES CONTROL BOARD**

**STORM WATER
MANAGEMENT PROGRAM**

REGIONAL WORK PLAN

FOR FISCAL YEAR 2002/2003

REGION 2

**[SFBRWQCB] San Francisco Bay Regional
Water Quality Control Board**

CTSW-RT-01-075

April 1, 2002



DISTRICT 4

REGIONAL WORK PLAN



PREPARED BY:

CALIFORNIA DEPARTMENT OF TRANSPORTATION

DISTRICT 04

DISTRICT STORM WATER PROGRAM

STORM WATER MANAGEMENT COMMITTEE

111 GRAND AVENUE

OAKLAND, CALIFORNIA



April 2002

APRIL 2002 REGIONAL WORK PLAN

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National Pollutant Discharge Elimination System

Permit No. CAS000003

Order No. 99-06-DWQ

California Department of Transportation

District 04

Regional Work Plan

**CERTIFICATION
REGIONAL WORK PLAN
San Francisco Bay Regional Water Quality Control Board
[SFBRWQCB] Region 2
Fiscal Year 2002/2003
April 1, 2002**

CALIFORNIA DEPARTMENT OF TRANSPORTATION DISTRICT 4

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]

ANDREW FREMIER
Storm Water Program Manager
Caltrans District 4

Date: _____

SECTION ONE

REGIONAL WORK PLANS

1.0 INTRODUCTION

The purpose of the Regional Work Plans (RWPs) are to describe how Caltrans Districts will specifically implement the Statewide Storm Water Management Program (SWMP) within the jurisdiction of each Regional Water Quality Control Board during Fiscal Year 2002/03 as required by the Caltrans Statewide Storm Water NPDES Permit – Order No. 99-06-DWQ (Permit). Implementation activities will be conducted in accordance with the procedures presented in the SWMP. The RWP indicates how District storm water management practices will be modified to improve water quality protection based on evaluation of the previous studies and management activities.

The RWP provides region-specific information on Department facilities, water bodies, and Best Management Practices (BMPs), and monitoring programs according to the following sections:

- Section 1 – Introduction;
- Section 2 – Personnel and Responsibilities;
- Section 3 – District Facilities and Water Bodies;
- Section 4 – High Risk Areas; and
- Section 5 – Implementation Activities.

SECTION TWO

REGIONAL WORK PLANS

2.0 DEPARTMENT PERSONNEL AND RESPONSIBILITIES

Portions of Caltrans District 4 fall within the jurisdiction of the San Francisco Bay Regional Water Quality Control Board and includes portions of Central Coast, Central Valley, and North Coast Regional Water Quality Control Boards. Staff responsible for implementing the SWMP within District 4 are listed in Table 2-1, and their responsibilities are explained in the following paragraphs.

TABLE 2-1: CALTRANS STORM WATER PERSONNEL AND RESPONSIBILITIES

Staff	Title	Phone Number	E-Mail Address
Andrew Fremier	Storm Water Program Manager	510-286-5896	Andrew_Fremier@dot.ca.gov
Michael Flake*	District Storm Water Coordinator	510-286-5664	Mike_Flake@dot.ca.gov
Tim Mehta	Environmental Engineering Coordinator	510-286-6269	Tim_Mehta@dot.ca.gov
Larry Hammond	District Maintenance Storm Water Coordinator	510-286-5215	Lawrence_Hammond@dot.ca.gov
Frank Gorham	District Storm Water Construction Coordinator	925-942-6012	Frank_Gorham@dot.ca.gov
David Yam	Landscape Architecture Coordinator	510-286-5925	David_Yam@dot.ca.gov
Shirly Parker	Right-of-Way Coordinator	510-286-5322	Shirly_Parker@dot.ca.gov
Allen Baradar	Toll Bridge Coordinator	510-286-5636	Allen_Baradar@dot.ca.gov
Sharon Patch	Hydraulics Representative	510-286-4862	Sharon_Patch@dot.ca.gov
Greg Ratliff	Public Affairs Representative	510-286-5820	Gregory_Ratliff@dot.ca.gov
Thomas Franklin	Permits Coordinator	510-286-4424	Thomas_Franklin@dot.ca.gov

* Michael Flake is the designated primary contact.

The duties and responsibilities associated with the Storm Water Program Manager and each of the storm water coordinators (coordinators) and storm water representatives (representatives), including the functional units they represent are as follows:

District Program Manager

The Storm Water Program Manager is a District executive level manager in charge of all storm water activities in the District. The Manager is accountable for establishing an effective storm water program and maintaining a liaison with Headquarters and other District Program Managers (Division Chiefs) for the purpose of effective communication, collaboration, and coordination of storm water activities. The Program Manager provides support, direction, and guidance to the District Storm Water Coordinator (DSWC).

The responsibilities of the District Storm Water Program Manager are as follows:

- Direct District operations regarding storm water.
- Align District efforts to achieve compliance with the NPDES permit.
- Be the ultimate signatory authority in the District for all compliance documents and commitments regarding storm water management.

Although, the District Division Chiefs (DDC) for Construction has been designated as the District Storm Water Program Manager, the storm water responsibilities are in excess and separate of those responsibilities of the DDC of Construction. It is proposed that the District Storm Water Program Manager position be a rotational assignment amongst the DDCs of Construction, Design, Maintenance, and Planning.

District Storm Water Coordinator

Under the general direction of the District Storm Water Program Manager, the DSWC is responsible for developing District storm water quality policies and guidance, and daily management of the District's storm water quality program. The DSWC is responsible for identifying issues and developing recommendations related to storm water quality, regulated wastes, and other environmental issues that affect the District. The DSWC supervises staff, which supports and executes activities of the DSWC and the Storm Water Program. The specific storm water tasks for which the DSWC is responsible include the following:

- Provide guidance and direction for the preparation, development, and implementation of a comprehensive District Storm Water Program, as described in the RWP.

- Oversight of activities related to notification procedures for reuse of soil containing lead in accordance with variances issued by the Department of Toxic Substances Control (DTSC).
- Ensure accuracy and adequacy of the storm water workload allocations for each fiscal year.
- Coordinate and track resource distributions, workloads, and projects within the District.
- Assist the District functional units in prioritizing, monitoring, tracking, and evaluating storm water resources, activities, and operations.
- Implement a quality assurance and quality control program for monitoring the activities of the District functional units, in order to ensure that the conditions of the Permit, SWMP, and RWP are implemented properly.
- Provide guidance and direction necessary to develop strategies for addressing regulations and mandates on storm water and waste discharges set forth by federal, state, and local regulatory agencies.
- Work as the primary liaison, “single point of contact,” on storm water and waste discharge issues between the District and Headquarters, the State Water Resources Control Board, the Regional Water Quality Control Boards, U.S. Environmental Protection Agency, and other agencies.
- Represent the District at the Storm Water Advisory Teams (SWATs) identified in the SWMP.
- Monitor and evaluate the storm water activities and procedures of municipalities, developers, and other agencies. Emphasis is appointed to those agencies in the Bay Area that encroach upon or administer projects within the Department’s right-of-way.
- Arbitrate disputes and disagreements on policies, activities, assignments, and responsibilities regarding storm water issues.
- Establishes impartial and equitable decisions that benefit the Department in attaining the objectives of the Storm Water Program.
- Work as leader and chairperson of the District Storm Water Management Committee (SWMC).

Environmental Engineering Coordinator

The Environmental Engineering (EE) Coordinator is responsible for communicating with the DDC of Planning and the EE Office Chief for the proper implementation of the environmental engineering portion of the SWMP and RWP. The EE Coordinator supervises the staff of the

water quality branch in the Office of Environmental Engineering (OEE). The EE Coordinator ensures that the staff supports and properly executes the activities defined in the SWMP and RWP, especially those responsibilities attributed to the EE Coordinator. The specific storm water tasks for which the EE Coordinator is responsible include the following:

- Determination and evaluation of storm water impacts during California Environmental Quality Act and/or National Environmental Policy Act (CEQA/NEPA) screening.
- Evaluation and recommendation of permanent control and treatment measures for addressing project storm water impacts.
- Identification of costs related to water pollution control, non-storm water discharges, and waste management on programming documents.
- Development of new specifications, details, and guidance materials related to non-storm water discharges and waste management.
- Preparation of contract specifications and estimates to address development of Storm Water Pollution Prevention Plans (SWPPPs).
- Preparation of contract plans, specifications, and estimates (PS&E) to address temporary controls for non-storm water discharges and waste management activities.
- Preparation or aid in the preparation of the contract PS&E for inclusion of permanent control measures to improve or minimize water quality impacts.
- Preparation of the report for Notification of Construction.
- Propose, develop, and manage storm water monitoring programs, in coordination with the Headquarters Environmental Program.
- Assistance to the District Permits Branch in evaluating water quality impacts and requirements of encroachment permit applications.
- Assist in development of training programs, especially that attributed to OEE staff.

The EE coordinator, as a member of the SWMC, is also responsible for compiling and providing to the District Storm Water Coordinator, all EE related input required for the annual report, preparation of RWP and other permit related documents and reports.

Construction Coordinator

Under the general direction of the Division of Construction, the Construction Storm Water Coordinator (CSWC) is responsible for developing storm water quality policies and guidance, and daily management of Construction's storm water quality program. The CSWC is

responsible for the proper implementation of the SWMP and the RWP within Construction. The CSWC supervises staff, which implements the program requirements in the field during the construction phase. The specific tasks for which the CSWC will be responsible include:

- Work as the primary point of contact for storm water issues during the construction phase.
- Develop and administer storm water training for Construction staff.
- Review Storm Water Pollution Prevention Plans (SWPPP).
- Track critical compliance milestones that occur prior to and during the course of construction.
- Conduct final project closeout inspections.
- Submit the Notice of Completions for SWPPP projects
- Submit approved SWPPPs to the RWQCBs as requested.
- Submit reports to the RWQCBs as requested.
- Provide oversight inspections for SWPPP projects.
- Prepare and submit Threat of Discharge reports.
- Prepare and submit Illicit Connection/ Discharge Reports for Construction
- Represent Construction in the District's SWMC Meetings.
- Provide input to the Annual Report.
- Participate on the Construction SWAT defined in the SWMP

The CSWC ensures that all enforcement actions or corrections requested by the Regional Boards are promptly implemented, and documented. The CSWC serves as the primary conduit for information during the construction phase for the RWQCBs, Headquarters Construction, and construction field staff. The CSWC supports the design related functional units in determining specific project needs and evaluation of water pollution control measures in the field.

Maintenance Coordinator

The Maintenance Coordinator is responsible for communicating with the DDC of Maintenance and the Maintenance Operation Team (MOT) regarding the proper implementation of maintenance related sections of the SWMP and RWP. The Maintenance Coordinator reports all storm water related maintenance activities to the SWMC and coordinates storm water training

for maintenance staff as well as overseeing inspection of maintenance facilities and operations relative to Permit compliance. The Maintenance Coordinator is chairperson of the MOT that meets routinely to discuss water quality issues, update the Maintenance portion of the RWP, and compile information for the Annual Reports, as well as the SWMP. The Maintenance Coordinator serves as the conduit for information between the SWMC and maintenance offices, as well as the Headquarters Maintenance Program (esp. Maintenance SWAT identified in the SWMP).

Public Affairs Coordinator

The Public Affairs Coordinator is a member of the SWMC responsible for maintaining an effective public information program as specified in this RWP and any elements of the SWMP that are attributed to the District. The Public Affairs Coordinator is directly responsible for the following:

- Ensure publication of storm water articles within District publications (i.e. newsletters).
- Distribution of the District Storm Water Pamphlet
- Development and distribution of Public Service Announcements regarding storm water.
- Ensuring that storm water information is available at miscellaneous events, such as County fairs and fleet week, for which Department might be a participant.

Right-of-Way Coordinator

The Right of Way Coordinator for the SWMC is currently a District Branch Chief of Property Management. This Coordinator is responsible to:

- Attend all SWMC meetings to report on Right of Way activities.
- Ensure that storm water training is available to Right of Way Agents tasked with property inspection responsibilities.
- Ensure that regular property inspections include storm water inspections.
- Maintain documentation of the inspection findings and corrective actions.
- Prepare a summary of completed storm water property inspections for use in Annual Reports.
- Disseminate information and answer questions regarding Department storm water policy to all Right of Way staff involved in storm water inspections.

- Notify the SWMC and/or the DSWC of discharges or situations that appear to be in gross violation of Department' Permit, SWMP, or RWP.
- Report instances where Right of Way may conduct construction activities that require the development of a SWPPP and related notification.

Engineering Services (Hydraulics) Representative

The Hydraulics Representative (HR) is a member of the SWMC responsible for providing information on permanent control measures, except those related to erosion control, that are being planned, designed, and implemented in projects. The HR is responsible for providing input and review of Annual Reports and RWPs. The HR ensures that the management and staff of the Hydraulics Branch are knowledgeable of the RWP and various water pollution control efforts and commitments for minimizing or preventing pollutants from being present in discharges. The HR ensures that the design processes utilized by the Hydraulics Branch are consistent with the RWP and the SWMP, especially those processes related to the evaluation, selection, and design of permanent control and treatment control measures.

Landscape Architecture Coordinator

The Office of Landscape Architecture (OLA), through its erosion/sediment control branch, facilitates the incorporation of water pollution and erosion control recommendations into the planning, design, and construction of all projects in District 4. The Branch Chief, supervisor, of the erosion/sediment control branch is OLA's Storm Water Coordinator, who is the primary point of contact between the other functional units, SWMC, and the DSWC. The OLA Coordinator provides water pollution control training to Design personnel in coordination with the office of Environmental Engineering and the DSWC. Furthermore, the OLA Coordinator provides field support to Construction, Maintenance, and Permits when requested.

The specific storm water tasks for which the OLA Coordinator is responsible include the following:

- Determination and evaluation of storm water impacts during CEQA/NEPA screening.
- Evaluation and recommendation of permanent control and treatment control measures for addressing project storm water impacts.
- Identification of costs related to water pollution and erosion control on programming documents.
- Develops new specifications, details, and guidance materials related to erosion and sediment control.

- Preparation of contract PS&E to address erosion and sediment controls for projects.
- Preparation or aid in the preparation of the contract PS&E for inclusion of permanent control and treatment control measures to improve or minimize water quality impacts on projects.
- Ensure that reuse locations of soil containing lead in accordance with variances issued by DTSC are not subject to erosion and stabilized as part of project design.
- Assist the District Permits Branch in evaluating water quality impacts and requirements of encroachment permit applications.
- Conduct studies to improve water quality objectives on highway planting projects.
- Assist in development of training programs, especially that attributed to OLA staff.
- Participate in the Design SWAT identified in the SWMP.

The OLA Coordinator acts as the liason with the Headquarters Office of Landscape Architecture to develop, submit, review, and gain approval for all specifications and details related to erosion and sediment control. Furthermore, the OLA Coordinator is the contact for Headquarters' Design Program in the approval or concurrence with specifications related to water pollution control related to erosion and sediment control.

Toll Bridge Program Coordinator

The Toll Bridge Program Coordinator (TBPC) is the supervisor of the Toll Bridge Environmental Engineering (TBEE) unit, which provides services exclusively to the Toll Bridge Program. The Toll Bridge Program is responsible for numerous projects related to the retrofit or replacement of the Department's six Bay Area toll bridges. As a result, the TBPC has the same responsibilities as those described for the Environmental Engineering Coordinator, but these responsibilities are reserved exclusively for the Toll Bridge Program.

Permits Coordinator

The Permits Coordinator is a member of the SWMC responsible for ensuring that the District Office of Permits is in compliance with the Permit, SWMP, and RWP. The Office of Permits is responsible for issuing permits to local agencies, utility companies, and others (i.e. film production companies, marathon sponsors, etc.) that desire to encroach into the Department's right-of-way for conducting construction, maintenance, or other activities consistent with their organization. The Permits Coordinator ensures that all permits issued to those encroaching into the Department's right of way are in compliance the Permit, in a manner that is consistent with that required of Maintenance, Construction, and Design.

In compliance with Permit Section M.10.b, the positions listed in Table 2-2 are authorized to sign the documents, reports and other information submitted by the District to either the State Water Resources Control Board or the Regional Water Quality Control Board(s).

TABLE 2-2: SIGNATORY AUTHORITY FOR KEY DOCUMENTS

Positions or Individuals	Documents Authorized for Signature
Storm Water Program Manager	All District Documents
Storm Water Coordinator	All District Documents except Regional Workplan
Toll Bridge Coordinator	Notification of Construction (NOC)
Construction Coordinator	SWPPP, Notice of Completion of Construction (NCC), Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification
Maintenance Coordinators, Managers, Office Chief, and HazMat Manager (See Section 4.1 of RWP)	Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, Report of Illicit Connection/Discharge, and Facility Pollution Prevention Plans
Permit Coordinator	Report of Illicit Connection/Discharge
Environmental Coordinator / Environmental Engineering Office Chief	Notice of Soil Reuse with Aerially Deposited Lead (ADL) Notification of Construction, Notice of Construction Completion
Resident Engineers	SWPPPs, Notice and Report of Non-Compliance, and Discharge or Threat of Discharge Notification
Right-of-Way Coordinator	SWPPPs, Notice of Completion, Notice and Report of Non-Compliance, and Discharge or Threat of Discharge Notification
Facility Supervisor	Facility Pollution Prevention Plans

SECTION THREE

REGIONAL WORK PLANS

3.0 DISTRICT FACILITIES AND WATER BODIES

This section identifies Department facilities and water bodies within each District and Regional Board jurisdiction. A list of Department facilities, excluding roadways, is presented in Table 3-1. Maps showing the District 4 major roads and highways and the District boundaries within the SFBRWQCB are presented on Figure A-7 and Figure A-8 respectively.

TABLE 3-1: DISTRICT 4 FACILITIES

CO	Route	PM	Name	Comments
Maintenance Stations				
	280	3.6	Alemany/Specialty Region	Special Crews
ALA		0.0	Oakland	District 4 Office
ALA	880	28.7	Oakland	Special Crews, Elec./Signs Central/Buttons ½
ALA	880		San Leandro	Special Crews, 600 Lewelling Blvd., San Leandro
ALA	580	38.9	Seminary	Landscape Maintenance, 6220 Seminary, Oakland, 94605-1852
ALA	880	20.0	East Bay Region	Highway Maintenance, 245 Mowry Rd. Fremont, 94536 (Maintenance)
ALA	84	10.2	Fremont	Highway Maintenance, 245 Mowry Rd. Fremont, 94536 (Maintenance)
ALA	84		Dumbarton	Highway Maintenance, 9825 Thorton Ave, Fremont
ALA	92		San Mateo	Highway Maintenance, 5500 West Jackson, Hayward
ALA	580	28.9	Hayward	Highway Maintenance, 21145 Center St., Castro Valley
ALA	580	13.1	Livermore	Highway Maintenance, 2153 South Front Rd. Livermore 94550
ALA	80	2.0	Toll Bridge Region	Special Crews, SFOBB Toll Plaza, Oakland
ALA	24	5.7	Caldecott Tunnel	Special Crews, West Portal and Caldecott , Oakland

CO	Route	PM	Name	Comments
ALA	580	35.7	106 th Street	Special Crews, 106 th Ave, Oakland
ALA	580	41.6	14 th Avenue (closed)	Special Crews
ALA	80	2.0	East Bay Paint	Special Crews
ALA	580	44.5	Kempton (closed)	Special Crews
ALA	880	28.7	Oakland	Special Crews, 1112-29 th Ave. Oakland 94601
ALA	880		Shop 4	Special Crews, 1933 Marina Blvd., San Leandro
ALA	260	2.0	Posey Tube	Special Crews, 415 Harrison St. Oakland 94607-4118
ALA	260		Webster Tube	Special Crews, 415 Harrison St. Oakland 94607-4118
ALA	24	3.1	Telegraph	Landscape Maintenance, 3605 Telegraph Ave. 94609-2426
CC	680	0.2	Alcosta	Landscape Maintenance, 21300 San Ramon Valley Blvd. San Ramon 94583
CC	4	1.0	Hercules	Landscape Maintenance, 1369 Willow Road, Hercules
CC	680	6.7	Sycamore Valley Road	Landscape Maintenance, Danville
CC	680	15.6	Walnut Creek-West	Landscape Maintenance, 2581 North Main St. Walnut Creek 94596
CC	4	28.9	Antioch	Highway Maintenance, 2817 Windsor Drive, Antioch, 94509-5054
CC	680	15.6	Walnut Creek-East	Highway Maintenance, 2616 North Main Street, Walnut Creek 94596-2713
CC	680	0.1	Scott Creek Road (closed)	Satellite
SCL	101	10.3	Gilroy	Highway Maintenance
MRN	1	0.1	Manzanita	Highway Maintenance, 40 Shoreline Hwy, Mill Valley

CO	Route	PM	Name	Comments
MRN	101	3.0	North Bay Region	Highway Maintenance
MRN	1	28.2	Point Reyes	Highway Maintenance, 10795 Hwy 1, Point Reyes
MRN	580	6.1	Richmond & San Rafael Br.	Special Crews, Maintenance Toll Plaza
MRN	580		San Rafael Paint	Special Crews, West End of Bridge, at San Quentin, San Rafael
NAP	29	37.4	Calistoga	Highway Maintenance, 1413 Tubbs Lane, Calistoga
NAP	29	12.0	Napa	Highway Maintenance, 3161 Jefferson St., Napa
NAP	29	43.6	Mount Saint Helena	Salt and Sand Storage
SCL	680	7.5	Milpitas	Landscape Maintenance, 115 Dempsey Rd., Milpitas
SCL	85	17.5	Cupertino	Highway Maintenance, 10130 Bubb Rd, Cupertino
SCL	880	4.3	San Jose	Highway Maintenance, 500 Queens Lane, San Jose
SCL	101	49.0	Middlefield Road	Special Crews, 1770 Old Middlefield Rd., Mountain View
SCL	101		Gilroy	Special Crews, 11155 Noname Uno Ave., Gilroy
SCL	280	0.0	Page Mill Road, Electrical	Special Crews, 2350 Page Mill Road, Los Altos
SCL	17	7.1	Los Gatos	Satellite
SF	101	4.1	San Francisco	Highway Maintenance, 110 Rickard Street San Francisco 94134-1260
SF	280		San Francisco	Specialty Region, 30 Rickard St., San Francisco
SF	80	5.4	West Bay Paint	Special Crews, 434 Main St., SF
SM	280	17.9	Millbrae	Landscape Maintenance, Sawyer Camp Trail Hillcrest, Millbrae 94030
SM	101	4.6	Redwood City	Landscape Maintenance, 2501 East Bayshore Blvd., Redwood City

CO	Route	PM	Name	Comments
SM	1	26.9	Half Moon Bay	Highway Maintenance, 2003 Cabrillo Hwy., Half Moon Bay, 94019
SM		000.0	South San Francisco	Highway Maintenance, 296 Airport Blvd. So. San Francisco 94101
SM	92	13.6	West Bay Region See So. SF; HMB; Foster City	Highway Maintenance, 380 Foster City Blvd., Foster City
SM	280	4.6	Woodside	Highway Maintenance, 5055 Farmhill Blvd., Woodside
SM	92	2.6	San Mateo/Hayward/Dmbtn	Special Crews, 9825 Thorton Ave. Fmnt. 5500 West Jackson, Hayward 94545-3616
SM	92	14.5	San Mateo Paint	Special Crews, West end of Bridge, Pier #1, Foster City
SM	280	22.7	Westborough (closed)	Special Crews, Junipers Serra & Westborough Blvd., Daily City
SM	35	10.0	Skylonda (closed)	Satellite
SOL	80	17.2	Fairfield	Landscape Maintenance, 2019 West Texas St., Fairfield 94533
SOL	80	0.70	Carquinez/Benicia/Antioch Bridge	Highway Maintenance
SOL	80	39.8	Dixon	Highway Maintenance, 8628 Sparling Lane, Dixon
SOL	12	26.0	Rio Vista	Highway Maintenance, 480 Highway 12, Rio Vista 94571
SOL	37	9.8	Vallejo	Highway Maintenance, 1700 Sears Point Rd., Vallejo
SOL	680		Benicia Bridge	Special Crews, Toll Plaza, Benicia
SOL	680		Tri-Bridges (under construction)	Special Crews, 100 Industrial Way, Benicia
SOL	780	2.2	Benicia	Special Crews, 1700 E. 2 nd St., Benicia 94510
SON	101	20.6	Santa Rosa	Landscape Maintenance, 224 Lincoln, Santa Rosa
SON	1	12.1	Bodega Bay (closed)	Highway Maintenance
SON	1	35.3	Fort Ross	Highway Maintenance, Jenner, Ca.

CO	Route	PM	Name	Comments
SON	101	43.0	Geyserville	Highway Maintenance, 21979 Geyserville Ave, Geyserville
SON	12	9.9	Sebastopol	Highway Maintenance, 5611 Sebastopol Rd., Sebastopol
SON	101	3.0	South Petaluma	Special Crews, 1485 South Petaluma Blvd., Petaluma
SON	101		Petaluma	Special Crews, 611 Payran St., Petaluma
SON	116		Shellville	Special Crews, Jct. 12/116, Shellville
Vista Points				
SM	280	7.6		Vista Point
SM	280	8.4	Edgewood & Route 92	Vista Point
SM	280	9.4	Edgewood & Route 92	Vista Point
	35	4.5		Vista Point
SM	35	14.3	Skaggs Point	Vista Point
SM	35	23.0	Jct. 35/92	Vista Point
MRN	1	6.1		Vista Point
MRN	1	7.1	Muir Beach Overlook	Vista Point
MRN	101	0.1	Golden Gate Vista Point	Vista Point
SCL	35	14.1		Vista Point
NAP	29	6.6		Vista Point
Commercial Vehicle Enforcement Facilities				
SOL	80	14.4	Cordelia	Westbound (WB)
SOL	80	14.2	Cordelia	Eastbound (EB)
MRN	101	15.2	St. Vincents	Southbound (SB)
MRN	101	14.1	Terra Linda	Northbound (NB)
SCL	101	8.8	Gilroy	Southbound (SB)

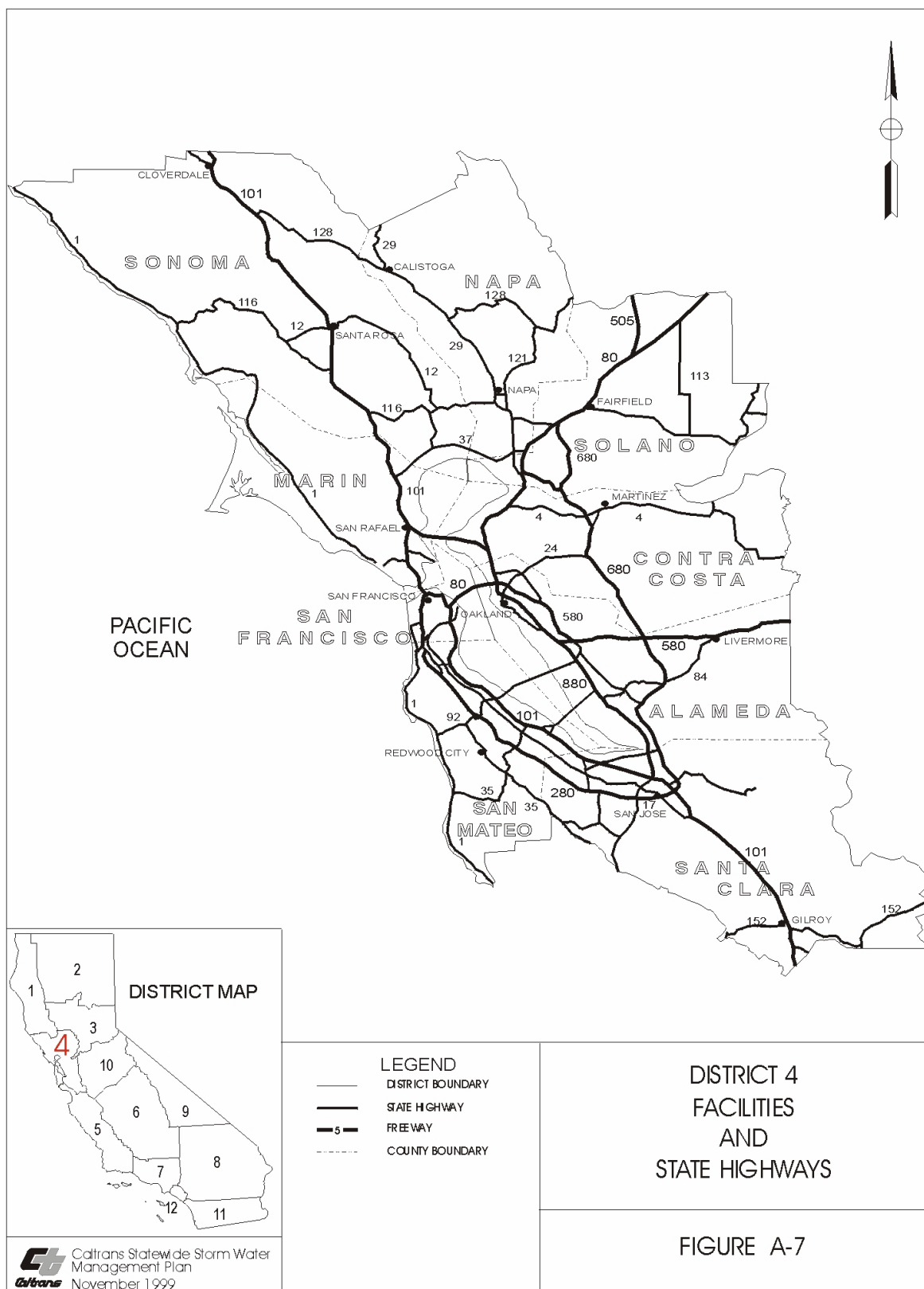
CO	Route	PM	Name	Comments
ALA	580	R8.9	Livermore	WB
ALA	580	R9.2	Livermore	EB
ALA	680	R8.7	Mission Grade	NB
CC	680	16.0	Walnut Creek	SB
CC	680	15.9	Walnut Creek	NB
ALA	880	3.7	Nimitz	SB
ALA	880	4.2	Nimitz	NB
Roadside Rest Areas				
SM	280	R13.5	Crystal Springs	Near Crystal Springs Reservoir
SOL	80	6.7	Hunter Hill	7 mi. E of Vallejo
MRN	101	0.3	Dana Bowers	Northbound 101
Park and Ride Facilities				
CC	24	1.2	Orinda	SW corner Gateway Blvd IC
ALA	580	41.4	Fruitvale	Fruitvale Avenue IC in Oakland
MAR	101	4.1	Manzanita	Route 1 IC in Marin City
SM	1	41.0	Pacifica	NE corner Linda Mar Blvd & Route 1
SCL	280	18.4	Page Mill	SE corner Page Mill Road IC near Los Altos Hills
SON	116	35.0	Petaluma	SW corner Route 101 Interchange
SON	101	12.7	Cotati	SE corner of Route 116 IC
MRN	101	22.0	Novato	E side Atherton Avenue Interchange
SM	280	3.3	Woodside	SW corner Woodside Road Interchange
MAR	101	14.7	Lucas Valley	SE corner of Lucas Valley IC
CC	80	10.7	Willow	Willow Ave IC NW & SE corners

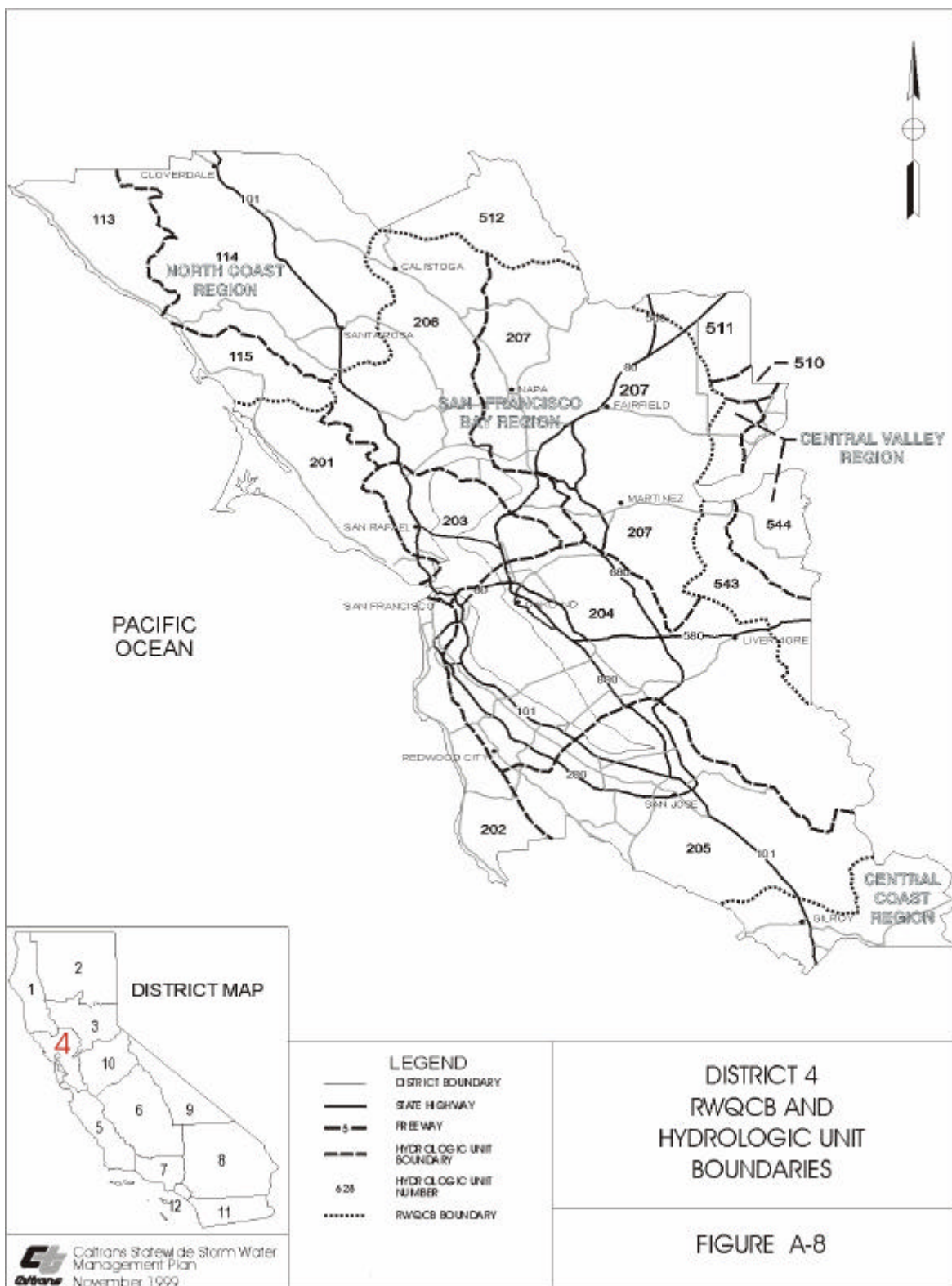
CO	Route	PM	Name	Comments
CC	4	11.1	Pacheco	NE corner Pacheco Blvd & Blum Rd
SON	121	6.7	Schellville	SE corner IC @ Rte. 116
MAR	101	5.4	Seminary	NW & SE corners Seminary Dr in Mill Valley
MAR	101	1.5	Spencer	NW corner Spencer Ave near Sausalito
SM	92	7.9	Ralston	SE corner Ralston Ave IC in Belmont
SOL	80	2.2	Lemon St.	Lemon St. & Curtola Pkwy.
CC	80	13.5	Crockett	NW corner San Pablo Ave in Crockett
MAR	101	16.6	Alameda Del Prado	SW corner of Alameda Del Prado in Novato
MAR	37	13.8	Black Pt/Atherton	NW corner Atherton Ave IC near Black Point
SON	12	16.3	Maple Avenue	Maple Ave (Brookwood) S. Rosa
SM	101	13.5	3rd Ave-San Mateo	NE corner 3rd Ave in San Mateo
MAR	101	12.2	Lincoln Ave.	W side Lincoln Ave IC in San Rafael
ALA	84	R3.0	Dumbarton	Route 84 & Ardenwood
SM	1	41.2	Crespi Drive	SE corner Crespi Dr & Route 1
ALA	680	6.4	Mission Blvd.	IC of Route 238 near Mission Blvd. in Fremont
ALA	580	30.7	John Drive	John Drive in Castro Valley
CC	80	6.0	Hilltop	NE corner Hilltop Dr. IC in Richmond
SM	280	6.7	Edgewood	NE corner Edgewood Road N of Woodside
ALA	580	13.2	Livermore	1624 Portola Ave in Livermore

CO	Route	PM	Name	Comments
CC	680	12.6	Rudgear	SE corner Rudgear Road IC in Walnut Creek
NAPA	29	10.3	Imola	NW side Route 29-Imola Ave W/GG in Napa
SON	101	2.9	Petaluma	SE corner S Petaluma Blvd. in Petaluma
ALA	580	29.0	Castro Valley	SE corner @ Center St. in Castro Valley
CC	242	0.9	Willow Pass	NE corner Willow Pass Road I/C in Concord
MAR	101	10.8	Hetherton	4th & Hetherton in San Rafael
SM	101	11.9	San Mateo	Route 92 (under SE overcrossing) San Mateo
SON	101	13.9	Rohnert Park Expressway	SW corner Rohnert Park Expressway in Rohnert Park.
SM	280	14.2	Hayne Road	SW corner Hayne Road IC near Redwood City
MAR	101		Rowland Blvd	Rowland Blvd in Novato
SOL	80	12.8	Green Valley Rd.	Green Valley Rd. IC NW in Cordelia
SOL	80	17.7	Magellan Rd.	Magellan Rd. IC with I-80
SOL	80	25.3	Mason St.	Mason St. Peabody Rd in Vacaville
SOL	80	2.6	Benicia Rd.	NE corner Benicia Rd. IC in Vallejo
SOL	80	1.8	Magazine St.	IC NW corner in Vallejo
SOL	12		Suisun City	Main and Florida
SOL	780	2.0	E. 2 nd St	NE corner, Benicia
SON	101	2.9	S. Petaluma Blvd.	SE corner IC
ALA	13	14.0	Folger St.	I-80 27th St.

CO	Route	PM	Name	Comments
Toll Road and Bridge Plazas				
ALA	80	1.99	SF-OAK Bay Bridge	San Francisco- Oakland Bay Bridge
SOL	80	0.46	Carquinez	Carquinez Bridge
ALA	84	3.18	Dumbarton	Dumbarton Bridge
ALA	92	2.57	San Mateo/Hayward	San Mateo- Hayward Bridge
CC	160	0.69	Antioch	Antioch Bridge
MAR	580	6.13	Richmond/San Rafael	Richmond - San Rafael Bridge
SOL	680	0.60	Benicia/Martinez	Benicia - Martinez Bridge

Lists and maps of the Department of Water Resource Hydrologic Units located within the coverage area are presented in Appendix A of the SWMP. Specific information on Department facilities and water bodies may also be found at the following website: <http://stormwater.water-programs.com>





SECTION FOUR

REGIONAL WORK PLANS

4.0 HIGH RISK AREAS

A list of high risk areas within District 4 is presented in Table 4-1. High risk areas are defined in the Section E.2 of the Permit to include areas such as locations where spills from Department owned right-of-ways, activities, or facilities can discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. Additional sites may be added to the high-risk list based on discussion between the Regional Water Quality Control Board (RWQCB) and Department. The Permit requires consideration of appropriate spill containment and spill prevention control measures for these areas.

In order to generate the list of high-risk municipal and domestic water supply reservoirs and ground water percolation facilities, the Department first contacted known public and private water supply providers. From the information received, the Department determined which facilities were susceptible to a direct spill from a Department activity or facility. This determination was based on proximity between the water body and the Department's facility, use characteristics of the facility, and the probable spill response time.

The Department will consider and implement spill containment and prevention control measures in accordance with the processes contained in the SWMP including Section 3 for BMP identification and implementation, Section 4.4.1 for new construction projects or Section 4.4.2 for retrofit projects that are within these areas.

TABLE 4-1: HIGH RISK AREAS

Road Segment/ Facility	County	High Risk Area	Description	Comments
Route 128	Napa County	Lake Berryessa	Lake Berryessa is used as a domestic water supply.	The tight curves and steep grades along this section of Route 128 deters truck traffic resulting in a reduced exposure to hazardous spills.
Route 128	Napa County	Lake Hennessey	Lake Hennessey is utilized as a water supply.	Light truck traffic and slower speeds due to the alignment and grade of this section of Route 128 reduces the likelihood of hazardous spills.
Route 35	San Francisco County	Lake Merced	Adjacent to Route 35 in the City of San Francisco, Lake Merced is primarily used as a recreational area. It also serves as an emergency source for drinking water.	Storm water from Route 35 currently discharges directly to the lake via a series of down-drains.
Route 280	San Mateo County	Lower Crystal Springs Reservoir	Route 280 in San Mateo County crosses through a watershed that drains to both upper and lower Crystal Springs Reservoirs.	In order to preserve the quality of the reservoirs, it was necessary to develop a system that allows clean, natural runoff to drain to the reservoirs while freeway runoff was directed into a series of seven turbidity ponds.
Route 92	San Mateo County	Upper Crystal Springs Reservoir	Route 92 bisects the Upper Crystal Springs Reservoir from the Lower one. These reservoirs supply the San Francisco Water Department with water for domestic use.	A proposed safety project to widen and realign Route 92 in San Mateo County from Crystal Springs Reservoir to Route 35 will incorporate spill prevention and containment techniques. This Route acts as the main access to coastal communities and, as such, experiences heavy truck traffic.

Road Segment/ Facility	County	High Risk Area	Description	Comments
Route 24	Contra Costa County	San Pablo Reservoir	San Pablo Reservoir in the East Bay lies between Orinda and El Sobrante off San Pablo Dam Road. Reservoir is located at an elevation of 314 feet in the Berkeley hills. It has 860 surface acres. At San Pablo reservoir visitors can fish, picnic, hike or just relax in beautiful settings.	Runoff from Route 24 in Orinda discharges directly to San Pablo Creek which empties into San Pablo Reservoir. The light truck traffic and relatively straight horizontal alignment at this location reduces the likelihood of spills.
Route 24	Alameda County	Lake Temescal	Lake Temescal lies adjacent to Route 24 in the City of Oakland. Although the lake primarily serves as a recreational area, it may be utilized as an emergency water supply.	No comments.
SR 17, PM 18-18.6	Santa Clara County	Lexington Reservoir	Reservoir is municipal water supply source for approximately 10,000 residents in the towns of Saratoga and Los Gatos. Route 17 parallels Lexington Reservoir, which is located approximately three miles south of the Town of Los Gatos.	The lack of industrial facilities along this section of highway as well as the constrained horizontal and vertical geometry of the highway discourages heavy truck traffic. Trucks using Route 17 are most likely serving the nearby Santa Cruz and San Lorenzo Valley areas.
Routes 17 & 85	Santa Clara County	Percolation Facilities	Several Santa Clara Valley Water District (SCVWD) percolation ponds lie along Los Gatos Creek adjacent to Route 17 and the Route 17/85 Interchange in Campbell. The water source for most of these ponds is Los Gatos Creek.	While runoff from the Route 17/85 Interchange does not discharge to the nearby ponds, SCVWD is concerned that off-roadway accidents in which vehicles or trucks run down embankments could occur, thereby jeopardizing the ponds.
Route 101	Santa Clara County	Madrone Channel	This channel, near Morgan Hill, parallels Route 101 from Half Road to Llagas Creek, providing necessary flows for SCVWD groundwater recharge facilities. The source of flow within this channel is Anderson Reservoir via the Coyote-Madrone Pipeline.	No comments.

SECTION FIVE

REGIONAL WORK PLANS

5.0 IMPLEMENTATION ACTIVITIES

This section presents specific project work planned for the year and indicates BMP implementation improvements. The anticipated schedule of construction and maintenance activities is subject to change. Department will discuss with the RWQCBs new projects meeting the criteria listed below when ground disturbance takes place or when significant maintenance activities are initiated during the year. These projects are updates to the RWP provided each April.

Table 5-1 includes a list of construction projects that meet one or more of the following criteria:

- The project involves greater than 5 acres (1 acre after 2003) of land disturbance, designated as “SWPPP;”
- The project affects a 303(d) listed water body within the project limits, designated as “303d;”
- The project requires a 401 Water Quality Certification or Waiver, designated as “401;”
- The project is a Supplemental Environmental Project (water quality project negotiated by the RWQCB and Department) designated as “SEP;”
- The project is a storm water retrofit project (SWMP Section 4.4.2), designated as “Retro;”
- The project includes Lahontan Regional Water Quality Control Board specific requirements for the Lake Tahoe Hydrologic Unit, designated as “LT;”
- The project limits are with a “High Risk Area,” designated as “HR;” and
- The project is designated by a RWQCB as posing a potential threat to water quality, designated as “RB.”

The information presented in Table 5-1 is intended to facilitate early RWQCB staff input in the project planning phase in accordance with Section L.8 of the Permit and Section 4.4 of the SWMP. The goal is to resolve water quality issues that may affect project funding, permitting, and scheduling. In addition, projects that require RWQCB review and approval of project SWPPPs/WPCPs in accordance with Sections H.8 and L.8 of the Permit are also covered in Table 5-1.

Table 5-2 presents a list of anticipated significant maintenance projects that have the potential to impact water quality and provides early notification of such activities. It also includes region-specific issues and BMP actions/modifications based on program evaluations discussed in current and/or past Annual Report(s).

Table 5-3 summarizes various program management activities that are part of the storm water pollution prevention program.

SECTION FIVE

Regional Work Plans

TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted By Project	Criteria**	Anticipated Project Development Schedule			Construction Period	
										Project Scoping (PID) Preliminary Environmental Evaluation	Project Dev. (PA&ED)- Final EIS/EIR	Final Design PS&E Permit & Mitigation	Start Date	Completion Date
1	B	00297	ALA	0	0	0	Remodel Admin Bldgs		SWPPP	11/15/87	9/7/01	6/1/02	1/1/03	4/1/04
2	D	04502	ALA	92	2.3	2.7	Const 3 Too Booths And Walkway	San Francisco Bay	SWPPP	2/22/88	11/23/98	8/12/99	8/23/01	5/1/03
3	D	04503	ALA	92	2.3	6.4	Widen The Roadway From 4 To 6 Lanes		SWPPP	2/22/88	11/23/98	12/6/99	5/12/00	11/1/02
4	D	04504	ALA	92	5.9	6.9	Pedestrian And Bicycle Overcrossing		SWPPP				11/1/01	5/1/03
5	C	0C680	ALA	24	1.8	6.2	Grina Existing Pcc Pavement & Place		HR	9/9/99	9/9/99	8/1/01	2/1/02	11/1/02
6	A	14670	ALA	84	14	15	Seismic Retrofit - Phase 2		SWPPP	12/1/01	1/1/02	7/1/02	11/1/02	12/1/03
7	B	15068	ALA	980	2.1	3.3	Install Fiber Optic Trunkline		SWPPP	12/10/99	7/1/02	4/1/04	12/1/04	12/1/05
8	C	15535	ALA	238	9.2	11.2	Construct New 4 Lane Expressway		SWPPP	7/25/85	6/6/00	6/1/04	4/1/05	4/1/08
9	C	17060	ALA	880	30.3	30.9	Seismic Retrofit - Phase 2		SWPPP/401	9/29/00	9/29/00	9/1/02	8/1/03	8/1/08
10	C	17090	ALA	80	5.6	6.1	Hov/Transit Ramp & Ped/Bike O/C		SWPPP	10/6/97		9/1/01	7/1/02	9/1/04

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										Project Scoping (PID) Preliminary Environmental Evaluation	Project Dev. (PA&ED)- Final EIS/EIR	Final Design PS&E Permit & Mitigation	Start Date	Completion Date
11	B	17130	ALA	580	13.4	15.7	Construct New Interchange		SWPPP/ 401	10/3/95	12/1/01	6/1/03	1/1/04	3/1/05
12	A	17440	ALA	84	12.1	13	Realign & Improve Sight Distance	Alameda Creek	SWPPP	11/1/01	7/1/03	7/1/05	4/1/06	6/1/06
13	D	17680	ALA	680	20.1	21.9	Replacement Planting		SWPPP	7/28/93	9/19/97	2/28/00	7/28/00	10/1/04
14	D	18162	ALA	80	5.7	6.8	Replace Planting & Irrigation		SWPPP	8/27/93	5/20/99	3/7/01	7/17/01	10/1/05
15	B	23303	ALA	84	6.9	10.8	Construct 4 Lane Highway		SWPPP	6/25/90	1/1/02	5/1/04	12/1/04	12/1/06
16	B	23322	ALA	880	0.1	2.3	Widen To 8 Lanes (Por To 0418d)		SWPPP/ 401	10/3/90	10/1/01	1/1/02	4/1/03	7/1/05
17	C	23365	ALA	238	3.3	3.9	Intersection Improvement		SWPPP/ 401		1/4/96	10/1/01	2/1/02	5/1/04
18	C	23379	ALA	580	21	0	Constr Bart Station & Parking Lots		SWPPP		11/14/91	3/1/02		4/1/04
19	D	23392	ALA	580	19.8	21	Modify Freeway Interchange		SWPPP	6/1/94	7/23/96	11/13/97	6/17/98	8/1/05

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										Project Scoping (PID) Preliminary Environmental Evaluation	Project Dev. (PA&ED)- Final EIS/EIR	Final Design PS&E Permit & Mitigation	Start Date	Completion Date
20	D	23810	ALA	580	9.3	10.1	Reconstruct Interchange		SWPPP	6/15/99	11/1/01	11/1/02	3/1/03	6/1/04
21	C	24770	ALA	24	5.5	6.2	Strc Mod To Tunnel & Rdwy - Bore #3		HR	10/24/97	10/24/97	9/1/03	5/1/04	6/1/06
22	B	24900	ALA	238	14.2	16.7	Wdn I-238 Fr 4-6 Lns, Aux Lanes On		SWPPP	2/11/98	9/1/02	9/1/04	7/1/05	7/1/08
23	B	25620	ALA	80	4.2	4.8	Modify Interchange		SWPPP	7/1/99	8/1/01	4/1/03	1/1/04	2/1/06
24	A	25760	ALA	580	16.3	17.1	Interchange Modification		SWPPP	9/1/01	9/1/01	11/1/01	5/1/02	9/1/03
25	A	25770	ALA	580	17.4	18.6	Interchange Modification		SWPPP	8/1/01	8/1/01	8/1/01	11/1/01	11/1/03
26	B	26000	ALA	880	27.7	32.2	Const On/Off Ramps, Slip Ramps, And		SWPPP	6/12/00	1/1/02	4/1/04	2/1/05	2/1/07
27	B	28600	ALA	680	0	19.4	NB HOV And Aux Lanes Bet Rt 237 & Rt 580		SWPPP/ 401	7/31/00	1/1/03	4/1/04	1/1/05	1/1/07
28	B	29080	ALA	580	9.6	17.9	HOV Widening		SWPPP	8/1/04	8/1/03	12/1/05	2/1/07	3/1/08
29	C	29226	ALA	80	2.5	3.2	Construct Bikeway & Overlook		SWPPP	12/14/98	3/31/99	6/1/04	1/1/05	12/1/05

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										Project Scoping (PID) Preliminary Environmental Evaluation	Project Dev. (PA&ED)- Final EIS/EIR	Final Design PS&E Permit & Mitigation	Start Date	Completion Date
30	D	29236	ALA	880	32.6	34.1	Improve Median For Relinquishment		SWPPP	6/1/98	9/5/00	12/5/00		2/1/01
31	C	44014	ALA	260	0.8	1.9	Seismic Retrofit Outside (Densify)		SWPPP	10/15/97	10/15/97	6/6/01		6/1/02
32	D	00603	CC	680	24.9	25.5	Instl New Br E Of Exit- Incl Bike Ln	Carquinez Strait	SWPPP/ 401		10/31/97	4/20/00		1/1/01
33	D	00604	CC	680	24.4	24.5	Toll Plaza Construction		SWPPP		10/31/97	4/17/01		9/1/02
34	C	00605	CC	680	23.9	24.9	Modify I/C And South Approach		SWPPP		10/31/97	2/1/03	6/1/02	4/1/03
35	D	01301	CC	80	13.8	14.7	Replace West Span Carquinezbridge		SWPPP/ 401	8/13/92	3/27/98	4/26/99	1/28/00	7/1/02
36	D	01305	CC	80	12.7	13.8	Construct New Approaches, I/C &	Carquinez Strait	SWPPP	8/13/92	3/27/98	5/8/00	12/19/00	10/1/03
37	C	01309	CC	80	13.7	14.1	Remove 1927 Bridge & Approaches		SWPPP/ 401	8/13/92	3/27/98	10/1/02	7/1/03	3/1/04
38	C	0130A	CC	80	20.4	22.2	Provide Replacement & Mitigation		SWPPP	8/13/92	3/27/98	6/1/03	1/1/04	6/1/04

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										Project Scoping (PID) Preliminary Environmental Evaluation	Project Dev. (PA&ED)- Final EIS/EIR	Final Design PS&E Permit & Mitigation	Start Date	Completion Date
39	D	0438U	CC	580	6.1	7.8	Seismic Retrofit - Phase 3	San Francisco Bay	SWPPP/ 401	8/15/97	8/15/97	5/20/99	10/13/00	3/1/05
40	D	04700	CC	80	13.5	14.1	Replace Wb Deck Main Span, Rehab		SWPPP	1/3/96	7/1/97	5/8/00	12/11/00	5/1/03
41	D	04711	CC	80	13.9	14.1	Repl Travelers Scaff Install Auto		SWPPP	9/1/95	9/1/95	4/26/01		9/1/02
42	D	04907	CC	80	13.9	14.2	Replace Timber Fenders Piers 2 & 3		SWPPP	9/1/95	9/1/95	12/1/01	7/1/02	3/1/03
43	C	04908	CC	680	25.1	25.5	Rehab Pier Fenders Piers 4 Thru 12.		SWPPP	9/1/95	9/1/95	10/1/01	10/1/03	5/1/04
44	D	18181	CC	80	9.4	4.3	Replace Planting And Irrigation		SWPPP	5/4/06	2/13/84	4/23/02	5/18/06	4/4/03
45	D	18182	CC	80	4.5	6.3	Planting And Irrigation		SWPPP	5/4/06	2/13/84	2/4/02	5/24/06	5/4/03
46	D	22835	CC	242	9	3.4	Widen Freeway		SWPPP	4/14/02	4/14/02	4/5/03	5/29/03	5/4/03
47	B or C	22853	CC	680	2.8	7.5	Add Auxiliary Lns (Both Direction)	San Ramon Creek	SWPPP/ 401	11/6/99	8/1/01	9/1/02	7/1/03	11/1/05
										Anticipated Project Development Schedule			Construction Period	

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48	C	22856	CC	680	15.6	24.3	Widen For Hov Lanes	Grayson Creek, Contra Costa Canal, Unknown Drainages, And Peyton Slough Marsh Near Bay.	SWPPP/ 401	12/29/97	12/3/99	2/1/02	11/1/02	12/1/04
49	C	22901	CC	04	22.2	23.8	Main Line Wideing & Replace Railroad OC		SWPPP	10/2/97	2/14/01	7/1/02	5/1/03	4/1/05
50	B	25271	CC	24	1.7	3.8	Planting & Irrigation Restoration		HR	9/2/99	4/1/03	11/1/03	7/1/04	7/1/05
51	B	26370	CC	80	10	14.2	Extend Hov - Rte 4 To Cummings	Potentially Creeks Of Canada Del Cierbo, Rodeo, And Refugio, And Adjacent Wetlands.	SWPPP/ 401	1/29/99	10/1/02	1/1/04	5/1/06	5/1/08
52	A	28180	CC	24	1.2	2.1	Widen EB Orinda Offramp Modification		HR	9/27/01	10/1/03	7/1/05	9/1/05	12/1/06
53	B	29490	CC	24			Caldecott Tunnel 4th Bore		SWPPP	12/1/00	6/1/04	12/1/07	11/1/08	11/1/10
54	C	04152	MRN	580	1.9	4.8	Replace Existing Deck Concrete		SWPPP	8/30/95	8/30/95	7/1/02	10/1/03	1/1/05
										Anticipated Project Development Schedule			Construction Period	

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55	C	15067	MRN	37	11.2	14.6	Install Traffic Operations System	San Pablo Bay; Napa River; Novato Creek; Tolay Creek	303 d	12/10/99	9/26/00	4/1/02	12/1/02	10/1/03
56	C	25130	MRN	101	0.1	0.6	Upgrade Rest Area	San Francisco Bay	SWPPP/401	10/15/97	11/14/00	11/1/01	7/1/02	5/1/04
57	B	26400	MRN	101	23	27.7	Widen 4-Lane Expwy To 6-Lane Frwy,	San Antonia Creek, Petaluma River	SWPPP/303d/401	1/29/99	6/1/05	6/1/07	3/1/08	10/1/11
58	B	28200	MRN	101	18.6	23	Rt 101 Median Widening To 8 Lanes	Novato Creek, Rush Creek	SWPPP/401	4/24/01	12/1/05	6/1/07	5/1/09	10/1/11
59	D	12061	NAP	29	18.7	21.7	Construct Interchange	Napa Creek	SWPPP/401	8/1/86	7/31/89	4/11/01		3/1/05
60	C	20940	NAP	121	6.4	6.5	Replace Bridge	Tulucay Creek	SWPPP/401	10/22/97	6/1/01	11/1/02	5/1/03	5/1/04
61	C	25380	NAP	121	5	5.5	Maxwell Bridge Replacement	Napa River	SWPPP/303d/401	10/30/98	3/15/00	4/1/02	1/1/03	9/1/05
62	B	26410	NAP	12	0.1	3.3	Widen Fr 2-Lane Conv Hwy To 4-Lane		SWPPP/401	3/9/01	6/1/05	7/1/08	5/1/09	1/1/13
										Anticipated Project Development Schedule			Construction Period	

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No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted By Project	Criteria**	Project Scoping (PID) Preliminary Environmental Evaluation	Project Dev. (PA&ED)- Final EIS/EIR	Final Design PS&E Permit & Mitigation	Start Date	Completion Date
63	B	28120	NAP	29/12	5.3	6.9	I/C Improvement Project	Sauskol Creek	SWPPP	9/29/00	7/1/05	11/1/07	9/1/08	3/1/10
64	B	28790	NAP	29	4.5	4.9	Improve Intersection/Upgrade To I/C		SWPPP/401	10/26/00	7/1/03	7/1/05	7/1/06	12/1/08
65	C	0C900	SCL	101	27.6	40.2	AC Resurfacing & Dowell Bar Retrofit		401	9/28/00	9/28/00	8/1/01	2/1/02	11/1/02
66	C	11612	SCL	101	22.9	24.1	Construct New Interchange	Coyote Canal And Coyote Creek	SWPPP/401	3/21/86	11/20/91	6/29/01	3/1/02	5/1/03
67	B	12478	SCL	0	0	0	Constr New Maint Sta		SWPPP	10/23/98	8/26/99	4/1/02	9/1/02	9/1/03
68	D	20570	SCL	680	1.7	7.1	Highway Planting Restoration		SWPPP	11/21/96	5/27/99	4/26/01		7/1/05
69	D	21842	SCL	87	5.6	6.2	Army Corp Errosion Protections	Guadalupe River	SWPPP/401		4/9/92	9/1/00	6/1/01	8/1/02
70	C	24460	SCL	280	2.3	2.8	Replace Planting & Irrigation Upgd		SWPPP/401	10/28/98	6/29/01	2/1/02	8/1/02	8/1/06
71	D	24480	SCL	130	15.8	15.9	Replace Bridge (Scour)	Smith Creek	SWPPP/401	10/17/97	10/17/97	4/12/00	11/13/00	12/1/02
										Anticipated Project Development Schedule			Construction Period	

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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted By Project	Criteria**	Project Scoping (PID) Preliminary Environmental Evaluation	Project Dev. (PA&ED)- Final EIS/EIR	Final Design PS&E Permit & Mitigation	Start Date	Completion Date
72	C	24560	SCL	17	0.8	1.3	Stabilize Failing Roadway		HR	11/25/96	11/25/96	1/1/02	11/1/02	3/1/03
73	C	25700	SCL	101	41.9	0	Modify Three Interchanges		SWPPP	12/1/01		6/1/03	1/1/04	1/1/06
74	A	26200	SCL	880	2.4	3.4	Reconstruct Coleman Ave I/C And		SWPPP	10/1/01	7/1/02	10/1/02	1/1/03	4/1/05
75	A	26470	SCL	101	40	40.9	Modify Interchange		SWPPP	6/1/02	12/1/03	12/1/04	8/1/05	8/1/08
76	D	28552	SCL	880	9.9	10.5	Constr New O/C, Reconst I/C	Scott Creek and Penitencia Creek	SWPPP/ 401		3/29/00	2/14/01	7/26/01	8/1/04
77	A	43560	SCL	101	29	0	Widen Overcrossing		SWPPP	4/1/02	4/1/02	4/1/03	12/1/03	12/1/06
78	A	43570	SCL	101	30.3	0	Widen Hellyr Avenue Overcrossing		SWPPP	4/1/02	4/1/02	4/1/03	12/1/03	12/1/06
79	A	43810	SCL	85	5.1	5.8	Construct Direct Connectors	Guadalupe River	SWPPP	6/13/01	6/13/01	5/14/01	9/20/01	3/1/03
80	A	43810	SCL	85	5.1	5.8	Construct Direct Connectors	Guadalupe River	SWPPP	6/13/01	6/13/01	5/14/01	9/20/01	3/1/03
81	B	43880	SCL	101	46.7	49.5	Mod I/C & Const 2 Ln N/B Collector	Stevens Creek	SWPPP/ 401	8/4/00	11/1/01	12/1/01	8/1/02	12/1/04
										Anticipated Project Development Schedule			Construction Period	

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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted By Project	Criteria**	Project Scoping (PID) Preliminary Environmental Evaluation	Project Dev. (PA&ED)- Final EIS/EIR	Final Design PS&E Permit & Mitigation	Start Date	Completion Date
82	D	43920	SCL	130	1.7	0	Construct Light Rail System	NA	SWPPP	9/1/99	3/1/00	2/1/01	7/1/01	1/1/04
83	C	43930	SCL	87	5.4	5.5	Construct Light Rail System	Los Gatos Creek	SWPPP	11/1/99	10/1/00	10/1/01	3/1/02	9/1/04
84	D	43940	SCL	880	3.5	6.6	Widen From 4 To 6 Lanes	Coyote Creek	SWPPP/401	2/26/98	3/7/01	4/16/01	6/16/01	5/1/04
85	A	43950	SCL	17	7.1	13.9	Widening	Los Gatos Creek	SWPPP	8/1/02	8/1/02	1/1/03	5/1/03	5/1/05
86	A	43952	SCL	17	8.9	9.4	Rt 17/85 Improvements	NA	SWPPP	12/1/01	12/1/01	5/1/02	11/1/02	2/1/05
87	B	43960	SCL	87	0.2	5.1	Widen Freeway From 4 Lanes To		SWPPP	7/31/99	4/1/02	9/1/02	4/1/03	4/1/05
88	C	43966	SCL	87	0.2	5.4	Widen Freeway From 4 Lanes To		SWPPP	7/1/99	3/1/00	3/1/03	4/1/03	9/1/04
89	B	43961	SCL	87	5.1	6.3	Widen Freeway From 4 Lanes To		SWPPP	8/19/99	4/1/02	8/1/02	2/1/03	2/1/05
90	C	43970	SCL	237	8	9.6	Modify Rte 237/880 I/C (Stage C)	Coyote Creek	SWPPP/401	8/4/99	5/10/01	10/1/01	3/1/02	4/1/04
Anticipated Project Development Schedule													Construction Period	

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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted By Project	Criteria**	Project Scoping (PID) Preliminary Environmental Evaluation	Project Dev. (PA&ED)- Final EIS/EIR	Final Design PS&E Permit & Mitigation	Start Date	Completion Date
91	A	43990	SCL	101	18.7	27.1	Construct Additional Lanes	Coyote Creek	SWPPP/401	8/7/01	5/8/01	8/1/01	9/1/01	8/1/03
92	C	4874C	SCL	87	8	9	Widen 4-Lane Highway To 6-Lane		SWPPP		5/20/94	11/1/01	10/1/02	1/1/03
93	C	4874F	SCL	87	6.1	9.1	Freeway Widening And Hov Lane	NA	SWPPP		5/20/94	7/2/01		1/1/03
94	C	4874G	SCL	101	40.2	41.2	Add Auxiliary Lane & Modify I/C	Guadalupe River	SWPPP/401	9/1/00	5/20/94	5/1/02	2/1/03	2/1/03
95	D	4874Q	SCL	87	6.3	7.1	Widen 4-Lane Highway To 6-Lane	Guadalupe River	SWPPP/401		5/20/94	8/20/99	2/28/00	1/1/03
96	C	4874R	SCL	87	7.1	7.8	Widen 4-Lane Highway To 6-Lane	Guadalupe River	SWPPP/401		5/20/94	12/1/01	11/1/02	1/1/03
97	D	4874V	SCL	87	7.6	8.8	Riparian Plant Cultivation/Reparian	Guadalupe River	SWPPP/401		10/12/99	2/17/00	12/26/00	6/1/03
98	D	4C110	SCL	880	8.5	5.3	Bridge Replacement At Brokaw Creek Under Crossing	Coyote Creek	SWPPP/401	10/11/00	3/7/01	4/16/01	6/16/01	5/1/03
99	C	01050	SF	80	5.1	7.8	Replace With Polyester Concrete On		SWPPP	7/18/00	7/18/00	12/1/01	8/1/03	8/1/03
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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted By Project	Criteria**	Project Scoping (PID) Preliminary Environmental Evaluation	Project Dev. (PA&ED)- Final EIS/EIR	Final Design PS&E Permit & Mitigation	Start Date	Completion Date
100	D	01200	SF	80	7.6	8.9	Replace Sfobb In Lieu Of Retrofit		SWPPP/ 401	6/1/00	11/1/00	9/1/00	3/1/01	6/1/01
101	C	01209	SF	80	7.8	8.9	Existing East Span Demolition		SWPPP/ 401		2/1/98	11/1/04	7/1/08	7/1/08
102	C	04080	SF	80	5.4	8.8	Repl 15kv Cable And Lower Deck		SWPPP	8/29/95	8/29/97	3/1/06	12/1/06	6/1/07
103	D	0435C	SF	80	4.9	5.9	Sfobb West Approach: Archeology & Retrofit		SWPPP	11/1/00	11/1/00	10/17/00	5/16/01	8/1/02
104	D	0435U	SF	80	5.5	7.8	Seismic Retrofit		SWPPP	1/30/98	1/30/98	2/26/99	9/24/99	6/1/03
105	D	04461	SF	80	5.8	8.8	Reconst W Bay Deck Expansion Joints		SWPPP		8/24/95	4/1/01	8/1/03	8/1/05
106	C	04904	SF	80	6	7.5	Repl Timber Fenders W/Rrp Timbers.		SWPPP	9/1/95	9/1/95	6/1/02	1/1/03	12/1/04
107	D	44000	SF	80	4.7	5	Seismic Retrofit - Phase 2		SWPPP	1/16/98	1/16/98	10/20/98	4/5/99	12/1/02
108	D	04501	SM	92	16.4	18.8	Bridge Widening		SWPPP	2/22/88	11/23/98	5/7/98	10/27/99	5/1/03
109	B	13199	SM	92	5	7.3	Slow Vehicles Ln/Safety Improvement	Crystal Springs Reservoir	SWPPP/ HR/ 401	1/5/87	12/1/01	10/1/02	8/1/03	8/1/05
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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted By Project	Criteria**	Project Scoping (PID) Preliminary Environmental Evaluation	Project Dev. (PA&ED)- Final EIS/EIR	Final Design PS&E Permit & Mitigation	Start Date	Completion Date
110	B	15047	SM	280	0	27.4	Install 4 Changeable Message Signs		HR	12/10/99	6/30/01	4/1/03	12/1/03	10/1/04
111	B	21270	SM	82	22.4	23.6	Improve Drainage	Colma Creek	SWPPP	9/23/94	5/24/00	4/4/01	8/21/01	5/1/03
112	D	23565	SM	101	1.3	2.2	Reconstruct Interchange		SWPPP/401	3/1/01		6/1/06	2/1/08	2/1/10
113	D	23572	SM	101	15.4	17.7	Auxilliary Lane Widening	Laurel Creek	SWPPP/401		5/3/99	6/8/00	3/2/01	8/1/02
114	C	23573	SM	101	3.6	11.9	Widen Freeway To Provide For Aux Lanes	Belmont Creek,Cordilleras Creek	SWPPP/401		7/9/99	5/1/02	3/1/02	6/1/04
115	B	23584	SM	101	16.3	16.9	Reconstruct Interchange	Easton Creek	SWPPP/401	12/1/01	12/1/03	5/1/06	9/1/06	8/1/08
116	D	24150	SM	101	17.5	18.5	Modify Interchange		SWPPP	12/21/99	9/15/99	5/1/01	9/1/01	9/1/02
117	D	24710	SM	101	22.6	23.2	Interchange Modification		SWPPP/401	12/3/85	12/3/90	3/15/01	8/22/01	9/1/03
118	C	25490	SM	101	22.5	23.6	Construct On And Off Ramp		SWPPP	8/8/00	2/17/99	9/1/01	11/1/01	6/1/03
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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

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119	B	25680	SM	101	9.37	9.84	Route 101/Ralston Ave I/C Modification	Belmont Slough, Wetlands, Flood Plains	SWPPP/401	12/21/99	12/1/01	8/1/02	3/1/03	12/1/03
120	B	26420	SM	101	13.5	17.9	Aux Lanes And Safty Improvement	Easton Creek, Sanches Creek, Mills Creek, Burlingame Recreation Lagoon And Wetlands.	SWPPP/401	5/22/00	3/1/02	11/1/02	6/1/03	7/1/03
121	A	26480	SM	380	4	5.1	Local Access At Rt. 280/380 I/C		SWPPP	10/1/01	10/1/01	5/1/03	8/1/03	8/1/04
122	C	27280	SM	101	0.9	1	Modify Sb On & Off Ramps	San Francisquito Creek	SWPPP/303d	12/3/90	12/1/00	6/1/01	8/1/01	8/1/02
123	D	00606	SOL	680	0.3	1	Construct I/C And North Approach		SWPPP		10/31/97	3/12/01	11/1/01	10/1/04
124	C	00608	SOL	680	1.6	1.9	Mitigation (Wetland)		SWPPP		10/31/97	7/1/02	2/1/03	2/1/05
125	C	0490A	SOL	80	0.3	0.5	Rehab Pier 3 Fender		SWPPP	9/1/95	9/1/95	12/1/01	7/1/02	3/1/03
126	D	0t050	SOL	80	0.6	6.9	Structural Section Repair		SWPPP	8/29/95	8/3/99	6/20/00	7/17/01	11/1/02
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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted By Project	Criteria**	Project Scoping (PID) Preliminary Environmental Evaluation	Project Dev. (PA&ED)- Final EIS/EIR	Final Design PS&E Permit & Mitigation	Start Date	Completion Date
127	B	0T090	SOL	12	7.9	14.7	Roadway Rehabilitation		SWPPP	10/15/97	4/1/02	8/1/03	5/1/04	5/1/06
128	D	0T141	SOL	37	8	9.5	Construct 4 Lane Freeway(Phse#2)	Austin Creek; White Slough; North/South Slough	SWPPP/401	1/3/83	6/25/98	4/12/01		7/1/04
129	D	0T142	SOL	37	9.2	10.5	Constr 4 Ln Fwy & I/C(Phse#3)		SWPPP	1/1/83	6/25/98	1/1/02	2/1/03	12/1/05
130	B	0T160	SOL	80	12.8	14.2	Recnst 80/680 Connectors & Aux Lns	Suisun Creek; Dan Wilson Creek	SWPPP/401	7/29/92	4/1/02	10/1/02	9/1/03	12/1/04
131	B	25870	SOL	680	1.8	13.1	Restoration And Widening Of Shoulders		SWPPP	10/1/99	4/1/02	9/1/03	5/1/04	5/1/06
132	C	28470	SOL	37	10.5	12.4	SR 37/ Mare Island I/C Improvements	San Pablo Bay	SWPPP/401	11/1/01		5/1/02	12/1/02	12/1/05
133	B	29840	SOL	80	12	13	Green Valley Road I/C Reconstruction Project	Green Valley Creek	SWPPP	11/1/00	7/1/03	7/1/05	7/1/06	12/1/08
134	D	00606	SOL	780	1.1	2.3	Reconstruct Interchnge		SWPPP				11/15/01	10/1/04
135	D	0T04U	SON	37	5.3	6.2	Multi Column Seismic Retrofit,	Sonoma Creek, which flows into San Pablo Bay	SWPPP/401/303d	4/17/98	4/17/98	6/24/98	1/11/00	12/1/02
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136	C	13124	SON	116	24.2	25.4	Wdn To Std & 2-Way Lf Trn Ln		SWPPP/401	7/19/90	7/31/95	6/1/02	2/1/03	8/1/03
137	B	13157	SON	116	28	34.8	Roadway Rehabilitation	Jersey Creek, Blucher Creek	SWPPP/401	6/19/97	12/1/01	6/1/03	2/1/04	7/1/06
138	C	1S280	SON	116	3.2	4.4	Repair Slipout	Russian River	303d	6/11/98	3/1/00	7/1/02	1/1/03	10/1/03
139	B	26530	SON	116	46.6	46.7	Right Turn Lane, Install Traffic		SWPPP	11/20/00	2/1/04	5/1/06	2/1/07	9/1/09
140	C	27600	SON	101	3.4	3.8	Replace Bridge & Improve On	Wetlands within and adjacent	SWPPP	10/2/99	4/11/00	5/1/02	2/1/03	5/1/05
141	D	28072	SON	116	12.4	12.7	Planting And Irrigation		SWPPP	5/4/95	6/17/98	2/3/99	6/30/99	1/1/03
142	A	44980	ALA	238	22.5	26.9	Long Life Pavement Implementation		SWPPP	9/12/01	9/1/01	9/1/04	7/1/05	1/1/08
143	A	44820	ALA	260	1	1.9	Extend Tinker Avenue To Webster Street		SWPPP	6/1/01	7/1/01	12/1/01	3/1/03	6/1/04
144	B	13068	ALA	580	39.4	39.7	Highway Soundwall North (Wb) Side		SWPPP	6/25/98				
145	D	26820	ALA	84	24.4	25.5	Construct Frontage Improvements		SWPPP	10/1/99	10/1/99	10/1/99	9/1/01	2/1/03
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146	C	22877	CC	4	22.2	23.8	Wdn & Reconstr Ic (Railroad Av Ic)	Kirker Creek	SWPPP/401	10/2/97	12/1/00	4/1/03	5/1/03	7/1/04
147	A	44420	NAP	Var	0.3	2	Curve Improvement		SWPPP	8/31/01	3/1/03	7/1/04	5/1/05	2/1/06
148	C	11575	MRN	101	7.9	12.8	Nb/Sb Hov & Sb Aux Ln; I/C Imprvmt		SWPPP/401	1/16/98	12/3/99			
149	A	28140	MRN	101	14.6	14.7	I01/Lucas Valley Road U/C Widening	Miller Creek located south of Lucas Valley Rd and a marsh land in the SE corner of I/C	SWPPP/401	6/1/01	11/1/92	7/1/03	2/1/07	11/1/07
150	A	28112	MRN	101	6.1	12.1	Hov Lanes	Lynch Creek, Corona Creek on SR 101	SWPPP/401	7/1/03	7/1/04	7/1/05	5/1/06	2/1/07
151	C	26570	MRN	101			Levee Project	Corte Madera Creek; Corte Madera Marsh State Ecological Reserve	SWPPP/401			9/1/01	2/1/02	9/1/02
152	A	20090	NAP	121	6.6	9.4	Roadway Rehabilitation	Sarco Creek	SWPPP/401	10/1/01	6/1/04	4/1/07	12/1/07	9/1/08
153	A	0A050	NAP	29	6.9	8.5	Rt 29/12 Intersection		SWPPP	9/1/01	1/1/04	4/1/05	11/1/05	11/1/06
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No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted By Project	Criteria**	Project Scoping (PID) Preliminary Environmental Evaluation	Project Dev. (PA&ED)- Final EIS/EIR	Final Design PS&E Permit & Mitigation	Start Date	Completion Date
154	C	4C090	SCL	101	36.7	0	Repair Bridge Scour	Coyote Creek	SWPPP/401TBD	10/1/00	10/1/00	8/1/01	5/1/02	2/1/03
155	C	21444	SCL	17	3.7	4.3	Rwqcb-Detention Basin		SWPPP/HR	1/1/99	12/1/99	12/1/01	7/1/02	11/1/02
156	C	1S630	SCL	17	6.9	6.9	Replace Channel Lining	Los Gatos Creek	401		4/4/00	1/1/02		
157	B	13166	SCL	17	4	13.9	Widen From 4 To 6 Lanes		HR	9/19/91	8/1/01	7/1/04	3/1/06	7/1/08
158	A	26490	SCL	17	0	6.3	Wet Pavement Correction		HR	9/1/02	9/1/02	7/1/04	3/1/05	9/1/05
159	B	25610	SCL	85	10.8	0	Prepare Flood Migration Plan	Los Gatos Creek	SWPPP/401		8/1/01	1/1/02		
160	B	48734	SCL	87	2.6	4.8	Highway Planting Cat 3		SWPPP	10/28/98		10/1/01	5/1/02	5/1/06
161	A	29830	SCL	880	4.4	8.4	Widenroute 880 From 6 To 8 Lanes	Coyote Creek	SWPPP/401	6/1/01	5/1/06	7/1/08	9/1/09	10/1/11
162	B	13437	SM	280	16.3	16.5	Construct Soundwall East (Nb) Side		HR	9/1/99		6/1/01	4/1/02	4/1/03
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163	B	27081	SM	280	0	18.5	Remove Metal Beam Barrier And Install Concrete Median Barrier		SWPPP/HR/ 401		7/1/03	11/1/04	9/1/05	11/1/07
164	B	21300	SM	35	27.4	0	Const New Public Road Connection		SWPPP	12/15/93		10/1/99	6/1/00	
165	C	1S15U	SM	84	9.99	10.2	Storm Damage Repair	San Gregorio Creek and Honda Creek	SWPPP/ 401/ 303d			5/31/01	1/1/02	9/1/02
166	A	23551	SM	92	7.1	11.8	Widen To 6 Lanes	One wetland habitat approx. 300m north of Hillsdale blvd.	SWPPP/ 401/HR	7/9/01	3/1/03	12/1/04	6/1/07	10/1/08
167	A	24090	SOL	12	14.4	15.2	Replace Bridge		SWPPP	7/1/01	7/1/01	5/1/04	3/1/05	2/1/06
168	D	0s290	SOL	12	1.5	1.7	Repair Rock Slide		SWPPP		1/22/97	2/1/98	9/1/98	1/1/99
169	C	0A040	SOL	12	0	4.49	Rt. 12 West Truck Climbing Lane		SWPPP			4/1/05	10/1/06	8/1/07
170	A	44410	SOL	12	2	3.9	Install Concrete Median Barrier	Ledgewood Creek	SWPPP	9/17/01		4/1/04	11/1/04	7/1/05
171	A	0T240	SOL	80	3.9	8.1	Roadway Rehab		SWPPP	7/1/01	7/1/01	5/1/04	3/1/05	12/1/06
										Anticipated Project Development Schedule			Construction Period	

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TABLE 5-1: DISTRICT 4 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

No.	SWMP Category*	EA #	Co.	Rte	BK PM	AH PM	Description	Water Bodies Impacted By Project	Criteria**	Project Scoping (PID) Preliminary Environmental Evaluation	Project Dev. (PA&ED)- Final EIS/EIR	Final Design PS&E Permit & Mitigation	Start Date	Completion Date
172	C	24830	SOL	80	26	0	Rehabilitate Bridge Deck		SWPPP	9/1/97	9/1/97	12/1/99	7/1/00	
173	A	28380	SON	116	41.8	44.7	Improve Horizontal & Vertical Curves And Widen To Provide Standard Lane And Shoulder	Champlain Creek	SWPPP	10/1/01	8/1/02	9/1/04	7/1/05	12/1/06
174	D	0C750	SCL	101	0	17.6	Grind Pccp	Potentially Llagas Creek And Its Territories	303d	8/25/99	8/25/99	5/1/01	2/1/03	11/1/03
175	C	43830	SCL	101	26.7	0	Modify Interchange And Construct	Coyote Creek	SWPPP/401	1/1/00		11/1/01	12/1/01	1/1/02

* SWMP Category is defined in SWMP Section 4.4.1, Table 4-3,

(A) Beginning of Project Development Process prior to approval of the PSR

(B) PSR approved but Environmental Documents are not final

(C) Environmental documents final

(D) Environmental documents final, design complete and project in the construction phase of project delivery

** Criteria

SWPPP = Greater than 5 acres of land disturbance

303d = 303 (d) listed water body within project limits and affected by project

401 = 401 Certification/Waiver required

SEP = Supplemental Environmental Project

Retro = Storm Water Retrofit Project (SWMP 4.4.2)

LT = Lahontan RWQCB specific requirements for the Lake Tahoe Hydrologic Unit

HR = Project limits within High Risk Area

RB = RWQCB designated project as a potential threat to water quality

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

Significant Road Maintenance Activities (1)							
County	Route	PM	Description	Water Bodies Affected	Criteria(2)	Start Date	Completion Date

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Regional Work Plans

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

MRN	1	43.33	Clean Outlet Channel		401	?	Fall 2002
MRN	1	45.13	Clean Outlet Channel		401	?	Fall 2002
MRN	1	14.86	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	13.49	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	14.41	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	16.95	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	17.01	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	15.40	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	15.96	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	16.47	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	13.69	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
County	Route	PM	Description	Water Bodies Affected	Criteria(2)	Start Date	Completion Date
MRN	1	13.63	"Clear Roadway Culverts" Along	Bolinas Lagoon	401	July 2002	October 2002

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Regional Work Plans

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

			Bolinas Lagoon				
MRN	1	16.06	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	15.46	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	13.91	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	13.54	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	15.02	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	14.31	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	14.47	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	14.29	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	14.56	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	15.15	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
County	Route	PM	Description	Water Bodies Affected	Criteria(2)	Start Date	Completion Date
MRN	1	15.35	"Clear Roadway Culverts" Along	Bolinas Lagoon	401	July 2002	October 2002

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Regional Work Plans

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

			Bolinas Lagoon				
MRN	1	15.98	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	16.25	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	15.93	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	13.99	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	15.07	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	15.53	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	15.58	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	15.63	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	16.28	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	15.84	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
County	Route	PM	Description	Water Bodies Affected	Criteria(2)	Start Date	Completion Date
MRN	1	15.21	"Clear Roadway Culverts" Along	Bolinas Lagoon	401	July 2002	October 2002

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Regional Work Plans

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

			Bolinas Lagoon				
MRN	1	15.26	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	15.77	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	14.34	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	16.51	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	13.45	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	14.90	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	16.50	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	14.37	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	1	16.61	"Clear Roadway Culverts" Along Bolinas Lagoon	Bolinas Lagoon	401	July 2002	October 2002
MRN	101	27.6	Clean Creek Channel		401	?	Fall 2002
County	Route	PM	Description	Water Bodies Affected	Criteria(2)	Start Date	Completion Date
MRN	101	23.7	Clean Outlet Chanel		401	?	Fall 2002

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Regional Work Plans

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

MRN	101	18.15	Clean Channel		401	?	Fall 2002
SCL	101	39.59	Cleanout	Pacheco Creek	401	July 2002	October 2002
SCL	101	39.58	Cleanout	Pacheco Creek	401	July 2002	October 2002
SCL	101	40.55	Cleanout	Pacheco Creek	401	July 2002	October 2002
SCL	101	40.3	Cleanout	Pacheco Creek	401	July 2002	October 2002
SCL	101	40.81	Cleanout	Pacheco Creek	401	July 2002	October 2002
SCL	237	2.05	Cleanout	Pacheco Creek	401	July 2002	October 2002
SCL	237	2.29	Cleanout	Pacheco Creek	401	July 2002	October 2002
SCL	680	7.4	Cleanout	Pacheco Creek	401	July 2002	October 2002
SM	1	40.7	Remove Silt & Vegetation		401	?	Fall 2002
SM	1	41.4	Remove Silt & Vegetation		401	Spring 2003	?
SM	1	43.6	Remove Silt & Vegetation		401	?	Fall 2002
SM	1	4.32	Veg. Slit Removal		401	?	Fall 2002
SM	1	5.73	Veg. Slit Removal		401	?	Fall 2002
SM	1	10.4-10.7	Veg. Slit Removal		401	?	Fall 2002
County	Route	PM	Description	Water Bodies Affected	Criteria(2)	Start Date	Completion Date
SM	1	20	Veg. Slit Removal		401	?	Fall 2002

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Regional Work Plans

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

SM	1	24.45	Veg. Slit Removal		401	?	Fall 2002
SM	1	27.04	Veg. Removal		401	?	Fall 2002
SM	1	29.69	Veg. Slit Removal		401	?	Fall 2002
SM	1	30.29	Veg. Slit Removal		401	?	Fall 2002
SM	1	30.82	Veg. Slit Removal		401	?	Fall 2002
SM	1	30.97	Veg. Slit Removal		401	?	Fall 2002
SM	1	31.31	Veg. Slit Removal		401	?	Fall 2002
SM	1	31.65	Veg. Slit Removal		401	?	Fall 2002
SM	1	32..09	Drift Wd. Removal		401	?	Fall 2002
SM	1	33.32	Veg. Slit Removal		401	?	Fall 2002
SM	1	33.04	Veg. Slit Removal		401	?	Fall 2002
SM	1	34.75	Veg. Removal		401	?	Fall 2002
SM	1	35.15	Veg. Removal		401	?	Fall 2002
SM	1	35.15	Veg. Slit Removal		401	?	Fall 2002
SM	1	35.29	Veg. Slit Removal		401	?	Fall 2002
County	Route	PM	Description	Water Bodies Affected	Criteria(2)	Start Date	Completion Date
SM	1	35.89	Veg. Slit Removal		401	?	Fall 2002

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Regional Work Plans

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

SM	1	36.69	Veg. Slit Removal		401	?	Fall 2002
SM	1	36.88	Veg. Removal		401	?	Fall 2002
SM	1	37.09	Veg. Slit Removal		401	?	Fall 2002
SM	84	1.39	Veg. Slit Removal		401	?	Fall 2002
SM	84	2.1	Veg. Slit Removal		401	?	Fall 2002
SM	84	2.89	Veg. Slit Removal		401	?	Fall 2002
SM	84	4.6	Veg. Slit Removal		401	?	Fall 2002
SM	84	5.6	Veg. Slit Removal		401	?	Fall 2002
SM	84	5.9	Veg. Slit Removal		401	?	Fall 2002
SM	84	6.02	Veg. Slit Removal		401	?	Fall 2002
SM	84	6.18	Veg. Slit Removal		401	?	Fall 2002
SM	84	7.36	Veg. Slit Removal		401	?	Fall 2002
SM	84	7.55	Veg. Slit Removal		401	?	Fall 2002
SM	84	8	Veg. Slit Removal		401	?	Fall 2002
SM	92	1.4	Veg. Slit Removal		401	?	Fall 2002
County	Route	PM	Description	Water Bodies Affected	Criteria(2)	Start Date	Completion Date
SM	92	1.8	Veg. Slit Removal		401	?	Fall 2002

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Regional Work Plans

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

SM	92	2.42	Veg. Slit Removal		401 ?	Fall 2002
SM	92	2.9	Veg. Slit Removal		401 ?	Fall 2002
SM	92	3.3	Veg. Slit Removal		401 ?	Fall 2002
SM	92	3.65	Veg. Slit Removal		401 ?	Fall 2002
SM	92	3.71	Veg. Slit Removal		401 ?	Fall 2002
SM	92	3.8	Veg. Slit Removal		401 ?	Fall 2002
SM	92	4.36	Veg. Slit Removal		401 ?	Fall 2002
SM	101	22.7	Veg. Slit Removal		401 ?	Fall 2002
SM	101	17.9	Veg-Removal		401 ?	Fall 2003
SM	101	26.1	Silt Removal		401 ?	Immediately
SON	101	4.77	Clean Vegetation		401 ?	Fall 2002
SON	101	8.05	Clean Vegetation		401 ?	Fall 2002

Maintenance Facility and Activity Inspections

All Maintenance Facilities within District 4 will be scheduled for annual inspection by the District Maintenance Storm Water Coordinator. These inspections will be used to ensure that BMPs are consistent with those described in each Facility Pollution Prevention Plan (FPPP). Also, the inspections will be used to evaluate the effectiveness of the BMPs and to recommend any needed changes to the BMPs or the FPPP, which are to be identified in the Annual Report for next year.

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

The District Storm Water Coordinator will identify and schedule an inspection of all temporary waste locations to ensure that BMPs are implemented and to evaluate the adequacy of the BMPs in place. The inspections will be used to outline any recommended actions or modifications to the sites or the BMPs, which are to be identified in the RWP for next year.				
Maintenance Facility BMP Improvements				
Inspections described above must be conducted before identifying any improvements. The Regional Work Plan for next year will identify any improvements to be recommended.				
Maintenance BMP Actions/Modifications				
Inspections described above must be conducted before identifying any actions or modifications. The Regional Work Plan for next year will identify any improvements to be recommended.				
Vegetation Management and Vegetated Slope Management				
The District 4 Vegetation Control Plan (VCP) for FY 2002/03 is under development. The VCP goal is to minimize the discharge of the chemicals to receiving waters by reducing chemical use for vegetation control. The VCP includes the following major items:				
<ul style="list-style-type: none"> • Type of chemical to be applied and form (dry or liquid) • Application locations, lengths, widths, total area, rates, frequency, total amount • Reason for application • Mowing program 				
Districts will provide the VCP for FY 02/03 to the RWQCB by May 15, 2002.				
The Department's Maintenance Inspection and Slope Stabilization Team (MISST) created a Preliminary Slope Inspection Form, further discussed in Annual Report Section 5.2.3, that will be used to inspect all roadside vegetated slopes over the course of 5 years. After approval of the program by the SWRCB, a plan to inspect District slopes will be submitted to the RWQCB at a mutually agreeable date.				
(1) Significant road maintenance activities includes projects involving grade changes, additional hydraulic capacity, direct discharges to surface waters, increases in impervious surface area, or other activities identified or agreed to between RWQCB and Department staff.				
(2) Criteria				
303d	=	303 (d) listed water body with project limits and affected by project		
401	=	401 Certification/Waiver required		
LT	=	Lahontan RWQCB specific requirements for the Lake Tahoe Hydrologic Unit		
HR	=	Project limits within High Risk Area		
RB	=	RWQCB designated projects as a potential threat to water quality		

TABLE 5-3: GENERAL MANAGEMENT PRACTICES

Monitoring Activities

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Regional Work Plans

TABLE 5-3: GENERAL MANAGEMENT PRACTICES

Monitoring activities will be conducted in accordance with the statewide program described in the Storm Water Monitoring Plan FY 001/002. The sites identified for monitoring in District 4 are as follows:	
LOCATION	3 YR SW ACTION PLAN SUPPORTING STUDY
Alameda County, Route 580 W	Highway Runoff Characterization Study
Contra Costa County, Route 680 N	Highway Runoff Characterization Study
Solano County, Route 680 S	Highway Runoff Characterization Study
Solano County, Route 80, Lemon Street North Park and Ride	Park and Ride Lot Characterization Study
Contra Costa County, Route 80, Willow Ave. East Park and Ride	Park and Ride Lot Characterization Study
Walnut Creek East Maintenance Station	Maintenance Station Characterization Study
Construction Compliance Monitoring Program	
Construction activities are inspected through the Construction Compliance Monitoring Program. Monitoring results are provided in the annual report.	
The Construction Storm Water Coordinator will conduct a review of at least 20% of all projects that are required to have a SWPPP.	
The Construction Storm Water Coordinator and the District Storm Water Coordinator will conduct a formal review of each construction site associated with the retrofit or reconstruction of a toll bridge to ensure compliance with the Permit and adequate implementation of BMPs. The reviews will be completed during the period of September 1, 2002 to November 1, 2002.	
Training and Public Outreach	
Storm water staff intends to provide training on storm water processes for design staff. Approximately 4 training events are planned. Similar events will be planned for outreach to each of the transportation authorities (i.e. Contra Costa Transportation Authority), which commonly plan and design projects for construction within the Caltrans right-of-way. A reduced version of the training will be provided as a presentation at a Project Engineer Meeting during Summer 2002.	
The Division of Construction intends to repeat the introductory Storm Water Training for staff that need "refresher" training and any new staff. The need is unknown at this time, but the number of training events is assumed to be no greater than that held during the Fall of 2001. Additional training that specifically addresses responsibilities of Resident Engineers will be equivalent to the same training provided during the Fall of 2001. The class for Resident Engineers will be mandatory for those that did not attend the previous year and optional to those that did attend the previous training. All training will be made available to staff at the Transportation Authorities that have construction contracts within the State right-of-way.	

TABLE 5-3: GENERAL MANAGEMENT PRACTICES

<p>The Division of Maintenance intends to provide "Storm Water Pollution Prevention" training to all maintenance employees. The training program is executed through the following four venues:</p> <ul style="list-style-type: none"> • Annual Awareness Training • BMP tailgate meetings with crews every 10 working days • Facility Inspections to verify compliance - review with crew and supervisors • Operational BMP inspections to verify compliance - review with crew and supervisors <p>Verification of all Annual Awareness Training is accomplished through the use of training forms and/or a sign in sheet. A test that consists of 10 questions is completed to verify the effectiveness of the Annual Awareness Training.</p>
<p>The District will develop a minimum of two articles per year for addressing storm water news and issues for publication in the District newsletter, <i>Fourword</i>. This newsletter is published periodically (typically on a quarterly basis) and distributed to all district employees.</p> <p>Additionally, the articles will be made available for use in project newsletters such as, <i>Cypress Local Link</i> and <i>Carquinez Connection</i>, when these opportunities exist. Regional residents and businesses identified on project mailing lists receive these publications. All project newsletters are available at the District and project Public Information Offices.</p>
<p>The District developed a Storm Water Pollution Prevention pamphlet approximately five years ago as apart of the District's previous storm water permit obligation. This pamphlet contains a variety of useful facts and information regarding storm water, the pamphlet provides advice to motorists on properly maintaining their vehicles, disposing of used vehicle fluids, and the advantages of alternative transportation modes. The Storm Water Pollution Prevention pamphlet will be available to the public at the District Office and any field Public Information Offices.</p>
<p>Municipal Coordination</p>
<p>The District Storm Water Coordinator will meet with the other permitted municipalities at a minimum of one time during the reporting period. The attendance of the Coordinator or associated staff at county organized meetings (i.e. Alameda Clean Runoff Program) where the permittees are represented will constitute fulfillment of this goal. The Coordinator will bring to the attention the municipalities any illicit discharges or connections that have been discovered within the Caltrans right-of-way that are associated with a municipality's jurisdiction. This may also be accomplished by sending written correspondence to the municipality. The Coordinator will also discuss possible opportunities to participate in public outreach programs that are sponsored by the municipalities.</p>
<p>The District Storm Water Coordinator will make contact with entities that commonly conduct work within the right-of-way. During the period of this RWP, the Coordinator will seek to obtain agreement with Pacific Gas and Electric (PG&E), Pacific Bell, and the East Bay Municipal Utility District (EBMUD) that these entities will conduct their operations in a manner that properly utilizes BMPs for storm water quality.</p>